Vulnerability Management Detection & Response (VMDR)

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Vulnerability Management Lifecycle

Asset Inventory

Do you know what all your assets are and where they are?

Vulnerability Management

Do you know the type and amount of open vulnerabilities?

Patch Management

How can you deploy patches to close high-impact vulnerabilities?

Threat Risk and Prioritization

Can you prioritize remediation based on threat intelligence?

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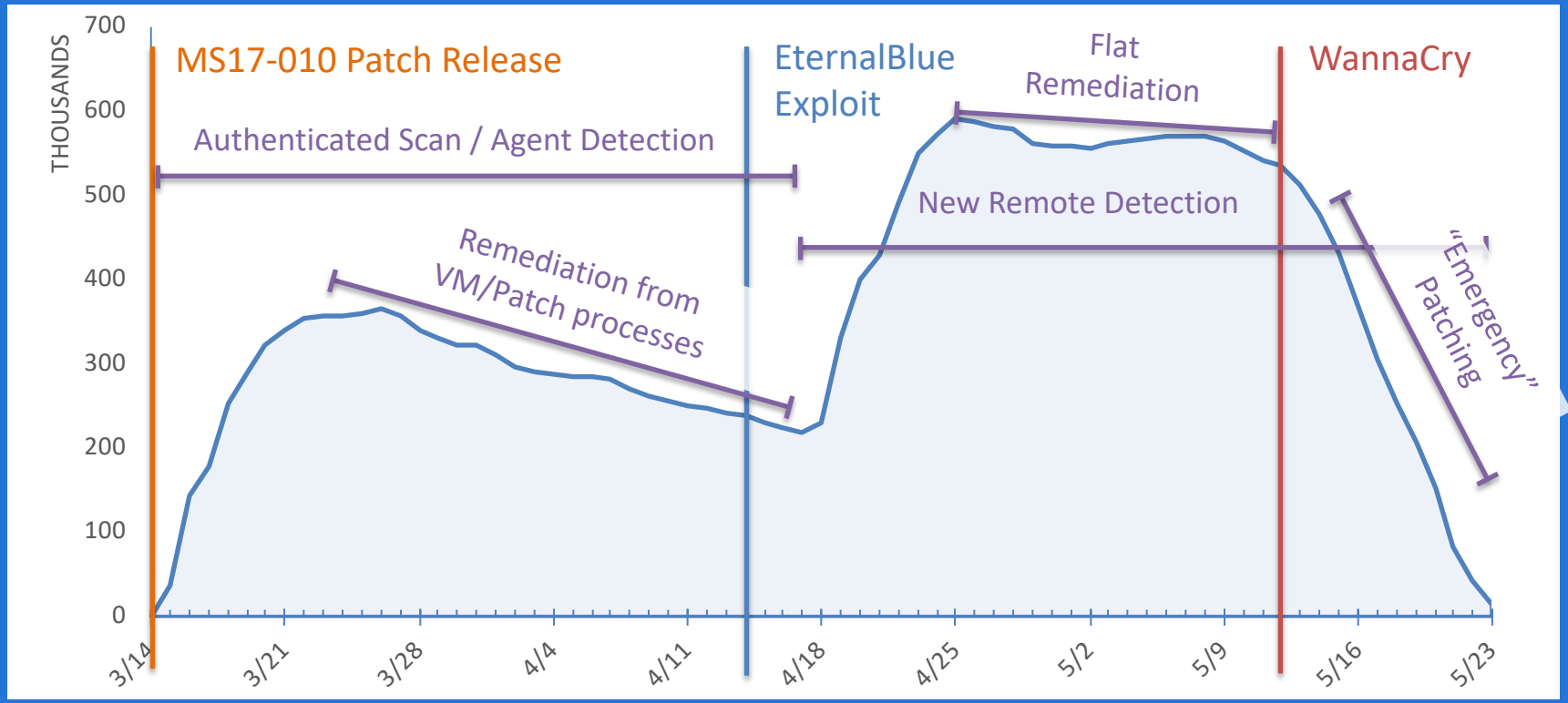
People

Process

Tools

WannaCry Timeline and Remediation



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One solution to Discover, Assess, Prioritize and Patch critical vulnerabilities

Asset Discovery

Detect known and unknown assets

Workflow to add an unmanaged asset as a managed asset

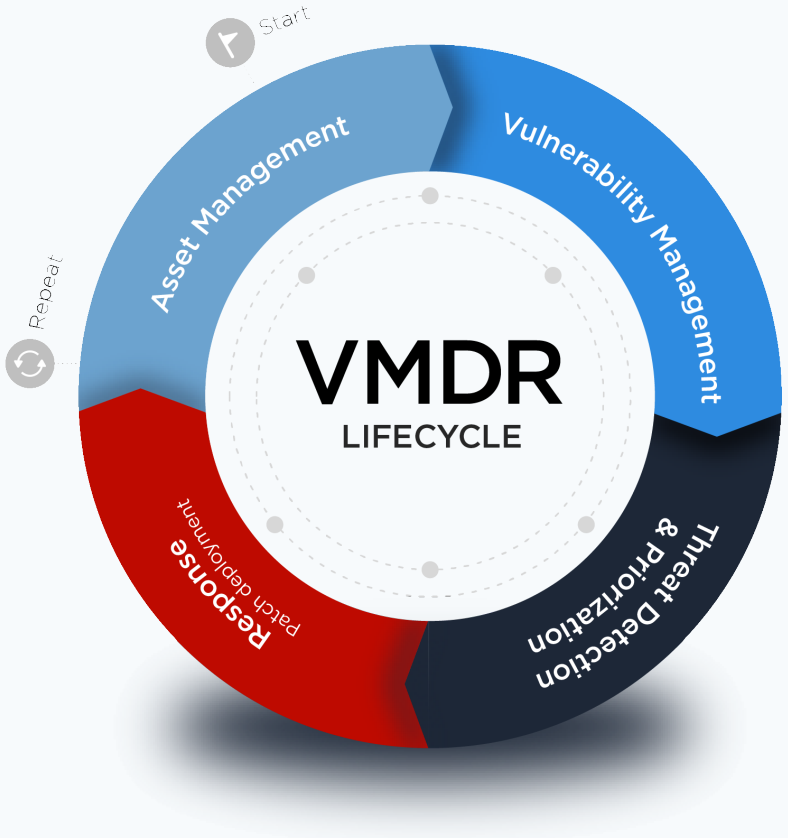
Asset Inventory

Hardware, operating system, and application inventory for all assets

Asset Normalization and Categorization

Normalize Inventory data by common attributes

Categorize by vendor, version, type



Global IT Asset Inventory

HOME DASHBOARD INVENTORY

Managed

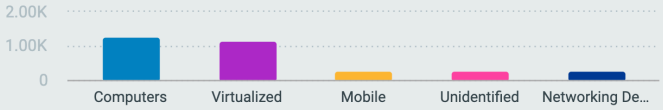
Assets Software

2.46K
Total Assets

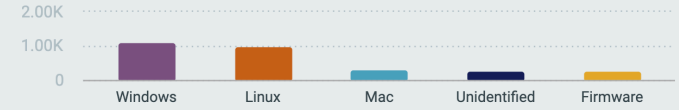
Search for assets...

Last 30 Days

TOP HARDWARE CATEGORIES



TOP OPERATING SYSTEMS CATEGORIES



MANUFACTURER

Amazon Web Ser...	1.03K
Lenovo	950
Apple	301
Microsoft	71
VMware	45
Google	24
Dell	20
Unidentified	12
Asus	1
HPE	1
Intel	1
MSI	1
Parallels Internati...	1

Show less

TAGS

Agentless_Tracki...	1.50K
Assets NO Asset ...	1.49K
Last30Days	1.45K
Cloud Agent	1.34K
Scanned in 180-D	1.32K

Group Assets by ...

1 - 50 of **2460**

ASSET	OPERATING SYSTEM	HARDWARE	LAST USER	SOURCE	TAGS
hktes-AG2 10.5.1.6 00-0D-3A-4E-A1-94	Microsoft Windows Server 2016 Datacenter 1607 64-Bit	Microsoft Azure DSv2-series Stan... Cloud Instance		VIRTUAL_MACHINE_ID Updated: Jan 20 2020	-
win-pk-04 10.150.0.9,35.194.83.16	Unidentified	Google Compute Engine N1 st... Cloud Instance		VIRTUAL_MACHINE_I... Updated: Jan 20 2020	-
pooja-windows 10.150.0.11,35.236.247.2...	Unidentified	Google Compute Engine N1 st... Cloud Instance		VIRTUAL_MACHINE_I... Updated: Jan 20 2020	-
pooja-win-final 10.150.0.13,35.236.248.2...	Unidentified	Google Compute Engine N1 st... Cloud Instance		VIRTUAL_MACHINE_I... Updated: Jan 20 2020	-
instance-3 10.142.0.7	Unidentified	Google Compute Engine N1 st... Cloud Instance		VIRTUAL_MACHINE_I... Updated: Jan 20 2020	-
sada-test-instance 10.142.0.2	Unidentified	Google Compute Engine N1 st...		VIRTUAL_MACHINE_I...	-

Managed

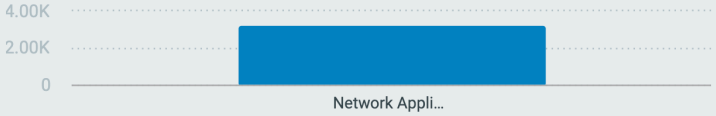
Assets | Software

3.32K
Total Software

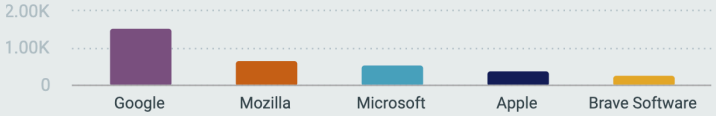
`software:((category1:`Network Application`) and category2:`Internet Browser`)`

Last 30 Days

TOP SOFTWARE CATEGORIES



TOP SOFTWARE PUBLISHERS



LICENSE

Commercial	2.57K
Open Source	746

PLATFORM

64-Bit	379
32-Bit	73

LIFECYCLE

Beta	56
GA	1.18K
EOL	1
EOL/EOS	751
OS Dependent	502

2 more

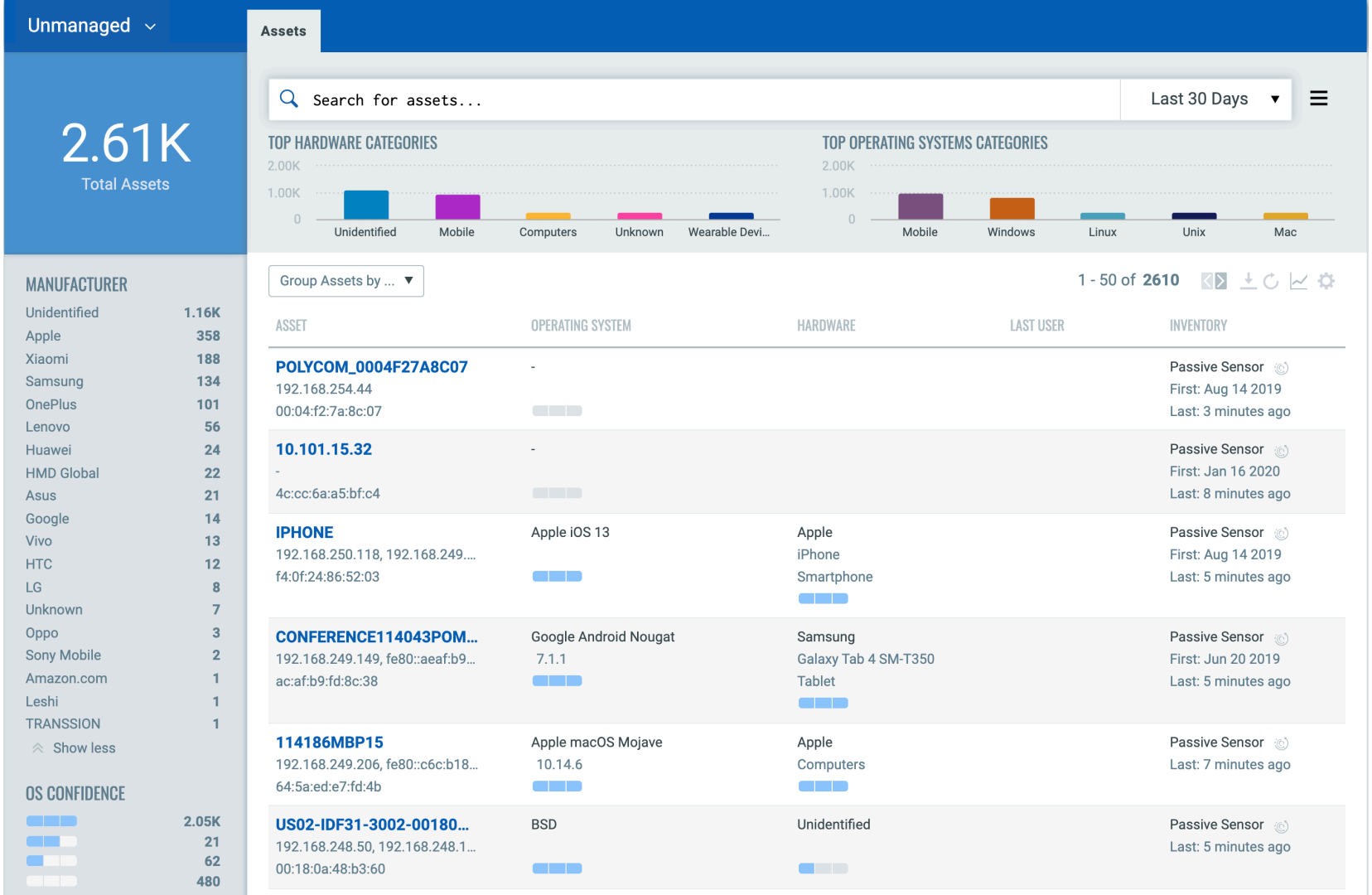
END OF LIFE

EOL 6 to 9 months	2

Group Software by: **Market Version** | Type: **Application**

1 - 50 of **75**

CATEGORY	PUBLISHER	PRODUCT	MARKET VERSION	INSTANCES
Network Application / Internet Br...	Google	Chrome	78	514
Network Application / Internet Br...	Microsoft	Internet Explorer	11	502
Network Application / Internet Br...	Google	Chrome	79	265
Network Application / Internet Br...	Apple	Safari	13	224
Network Application / Internet Br...	Mozilla	Firefox	70	189
Network Application / Internet Br...	Mozilla	Firefox	71	153
Network Application / Internet Br...	Apple	Safari	12	100
Network Application / Internet Br...	Mozilla	Firefox	69	82
Network Application / Internet Br...	Google	Chrome	77	74


Unmanaged
Assets
2.61K
Total Assets
Search for assets...
Last 30 Days
TOP HARDWARE CATEGORIES
2.00K
1.00K
0
Unidentified
Mobile
Computers
Unknown
Wearable Devi...
TOP OPERATING SYSTEMS CATEGORIES
2.00K
1.00K
0
Mobile
Windows
Linux
Unix
Mac
MANUFACTURER
Unidentified 1.16K
Apple 358
Xiaomi 188
Samsung 134
OnePlus 101
Lenovo 56
Huawei 24
HMD Global 22
Asus 21
Google 14
Vivo 13
HTC 12
LG 8
Unknown 7
Oppo 3
Sony Mobile 2
Amazon.com 1
Leshi 1
TRANSSION 1
Show less
OS CONFIDENCE
2.05K
21
62
480
Group Assets by ...
1 - 50 of 2610
ASSET
OPERATING SYSTEM
HARDWARE
LAST USER
INVENTORY
POLYCOM_0004F27A8C07
192.168.254.44
00:04:f2:7a:8c:07
-
Passive Sensor
First: Aug 14 2019
Last: 3 minutes ago
10.101.15.32
-
4c:cc:6a:a5:bf:c4
-
Passive Sensor
First: Jan 16 2020
Last: 8 minutes ago
IPHONE
192.168.250.118, 192.168.249....
f4:0f:24:86:52:03
Apple iOS 13
Apple
iPhone
Smartphone
Passive Sensor
First: Aug 14 2019
Last: 5 minutes ago
CONFERENCE114043POM...
192.168.249.149, fe80::aeaf:b9...
ac:af:b9:fd:8c:38
Google Android Nougat
7.1.1
Samsung
Galaxy Tab 4 SM-T350
Tablet
Passive Sensor
First: Jun 20 2019
Last: 5 minutes ago
114186MBP15
192.168.249.206, fe80::c6c:b18...
64:5a:ed:e7:fd:4b
Apple macOS Mojave
10.14.6
Apple
Computers
Passive Sensor
Last: 7 minutes ago
US02-IDF31-3002-00180...
192.168.248.50, 192.168.248.1...
00:18:0a:48:b3:60
BSD
Unidentified
Passive Sensor
Last: 5 minutes ago

Vulnerability Management

Detect vulnerabilities by QID

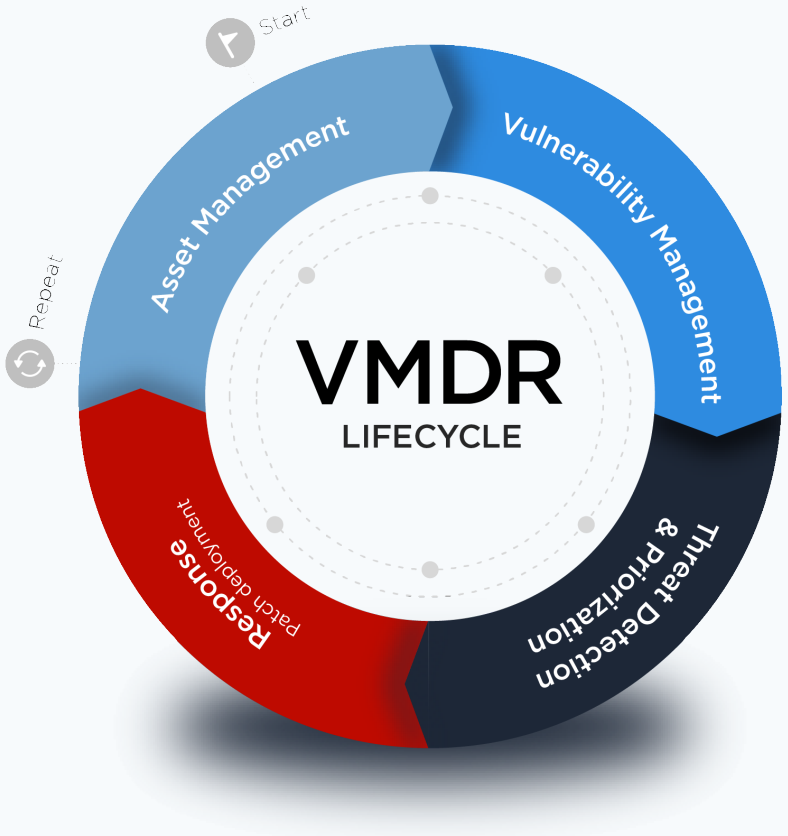
CVE-to-QID mapping

CVSSv2 and CVSSv3 base scores

Security Configuration Assessment

CIS Benchmarks

Security-related misconfigurations



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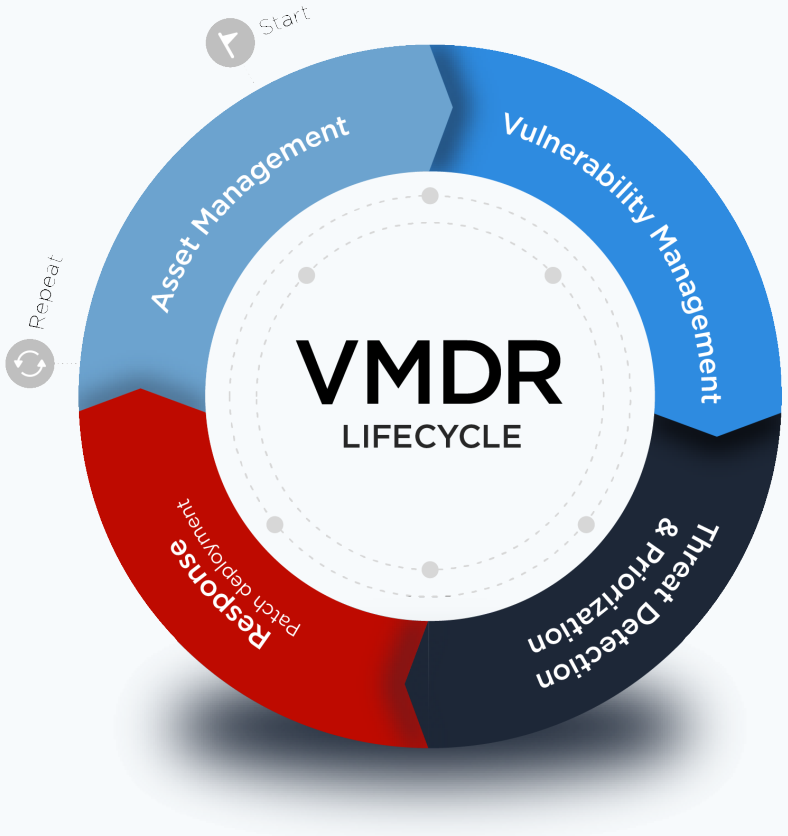
Prioritization

- Using real-time threat context
- Real-world exploits
- Proof of Concepts
- Exploit categorization
- Exploit severity

Machine Learning

Contextual Awareness



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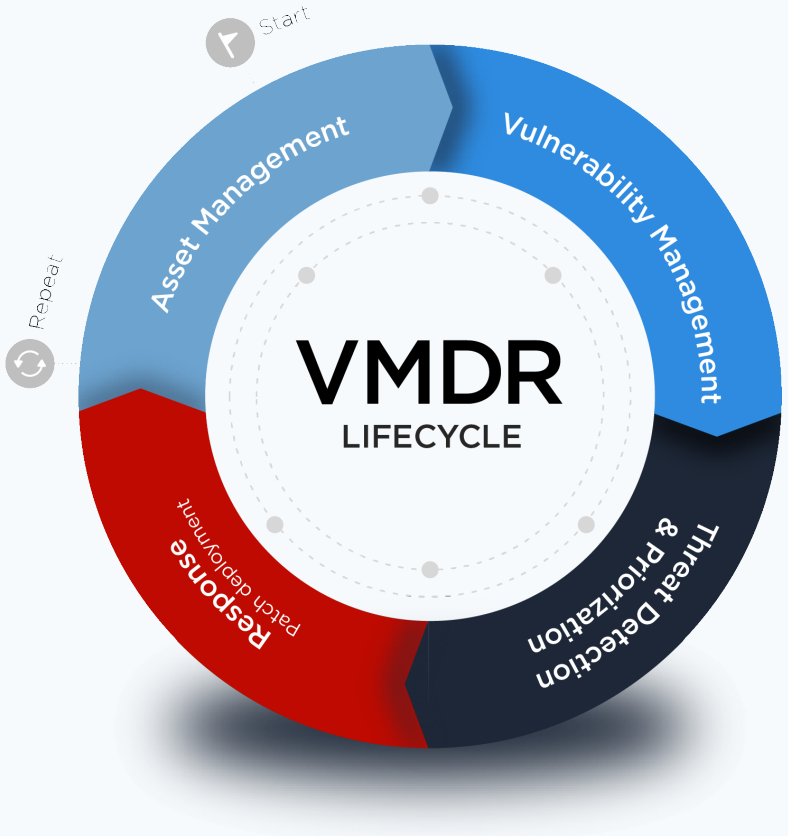
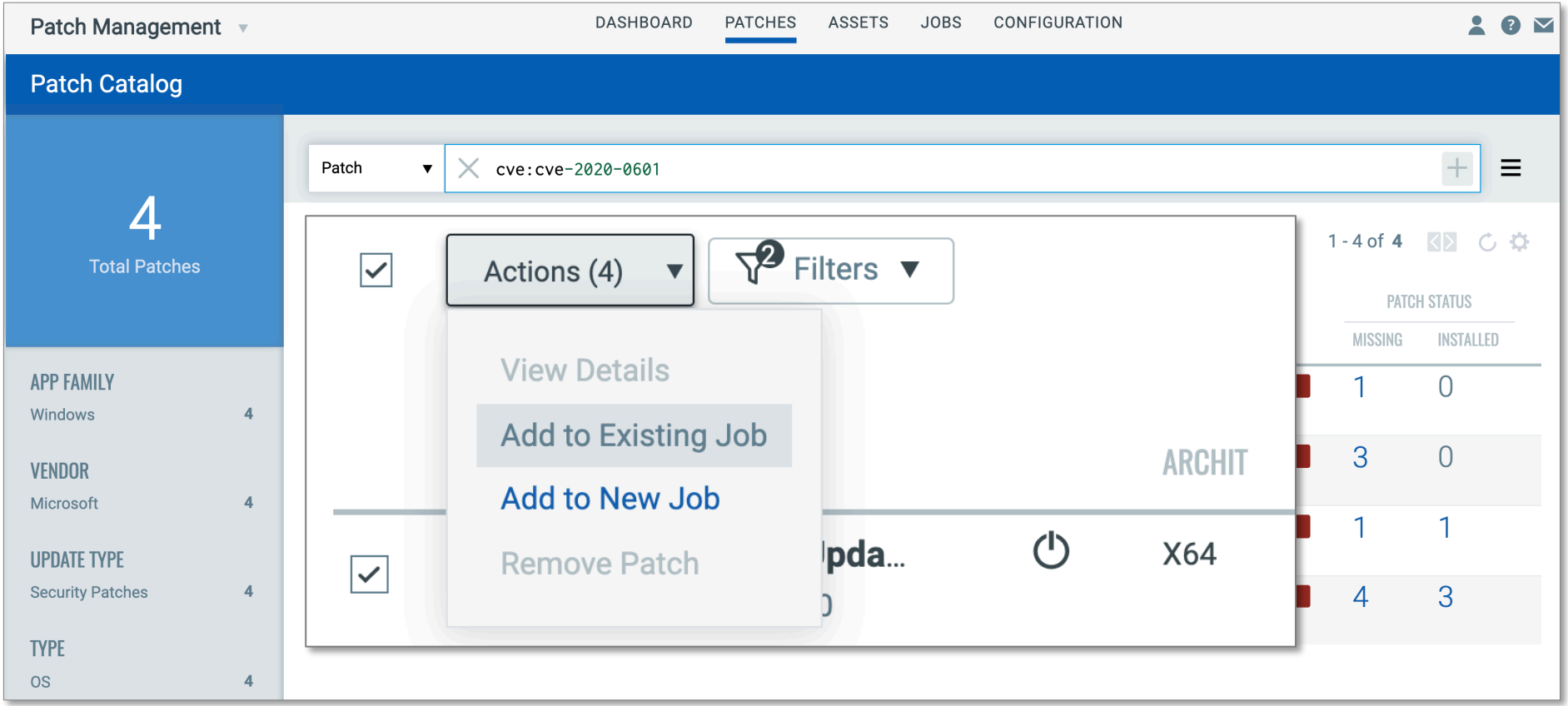
Remediation

- Automatically correlate vulnerabilities to patches
- End-to-end User Interface workflows
- Fit-for-purpose visualizations and recommendations
- Orchestration for remediation




Patch Management
DASHBOARD
PATCHES
ASSETS
JOBS
CONFIGURATION
Patch Catalog
4
Total Patches
APP FAMILY
Windows 4
VENDOR
Microsoft 4
UPDATE TYPE
Security Patches 4
TYPE
OS 4
Patch
cve:cve-2020-0601
Actions (4)
Filters
2
View Details
Add to Existing Job
Add to New Job
Remove Patch
1 - 4 of 4
PATCH STATUS
MISSING
INSTALLED
1 0
3 0
1 1
4 3
ARCHIT
X64

Qualys. Enterprise

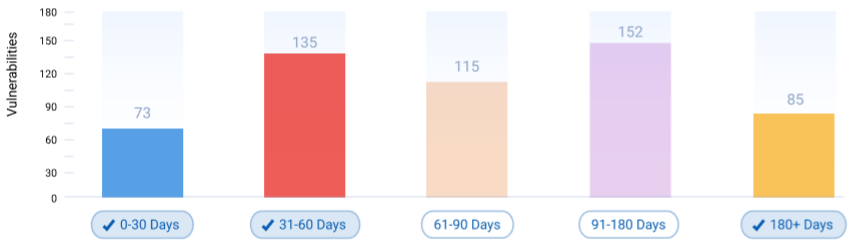
Threat Prioritization Report

Export to Dashboard | Save Report

Asset Tags (5)

Finance ✕ | Operations ✕ | Engineering ✕ | HR-HQ ✕ | HR-France ✕

Vulnerability Age



RTIs (9)

- ✓ Zero Day (10)
- ✓ High Lateral Movement (32)
- ✓ Active Attacks (12)
- ✓ Wormable (13)
- ✓ Machine Learning Probability (32)
- DOS External (25)
- ✓ High Data Loss (17)
- Vulnerable to DOS (28)
- ✓ Easily Exploitable (50)
- ✓ Exploit Kit Available (34)
- ✓ Unpatchable (23)
- ✓ Public Exploit (13)

Prioritized Assets 38
Total 379
10% of Total

Prioritized Vulnerabilities 37
Total 1.34K
2.75% of Total

Available Patches 05
Patch Now

Prioritization Engine – Machine Learning

Written in Python and TensorFlow

Dataset of 120,000+ Vulnerabilities

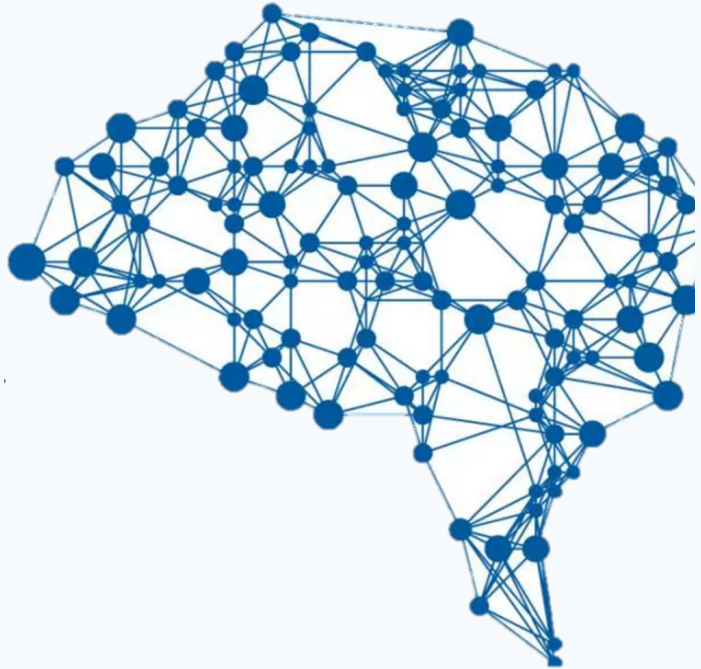
132 Vulnerability Features

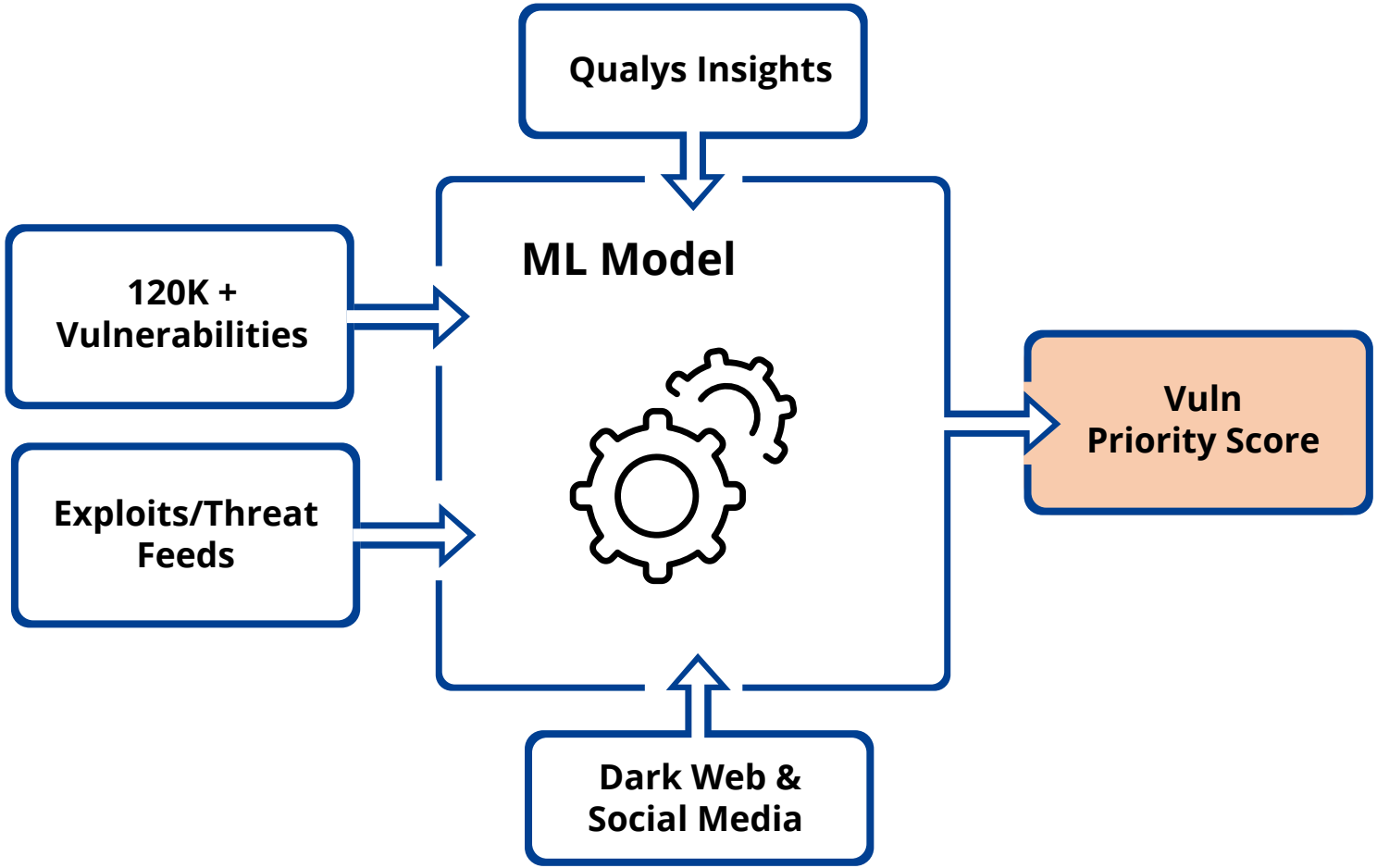
Live Exploits / Proof Of Concepts

Historical Threat Patterns

Historical Vulnerable Software/Vendor

Dark Web and Social Media References

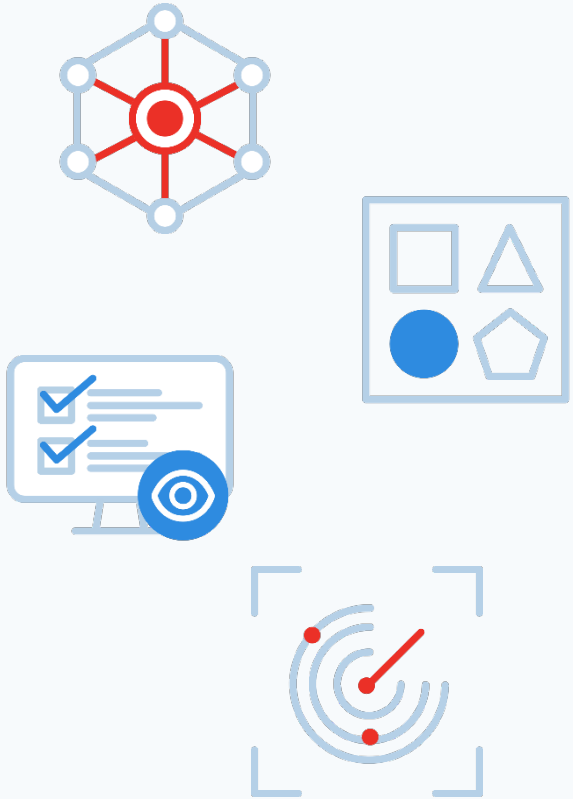


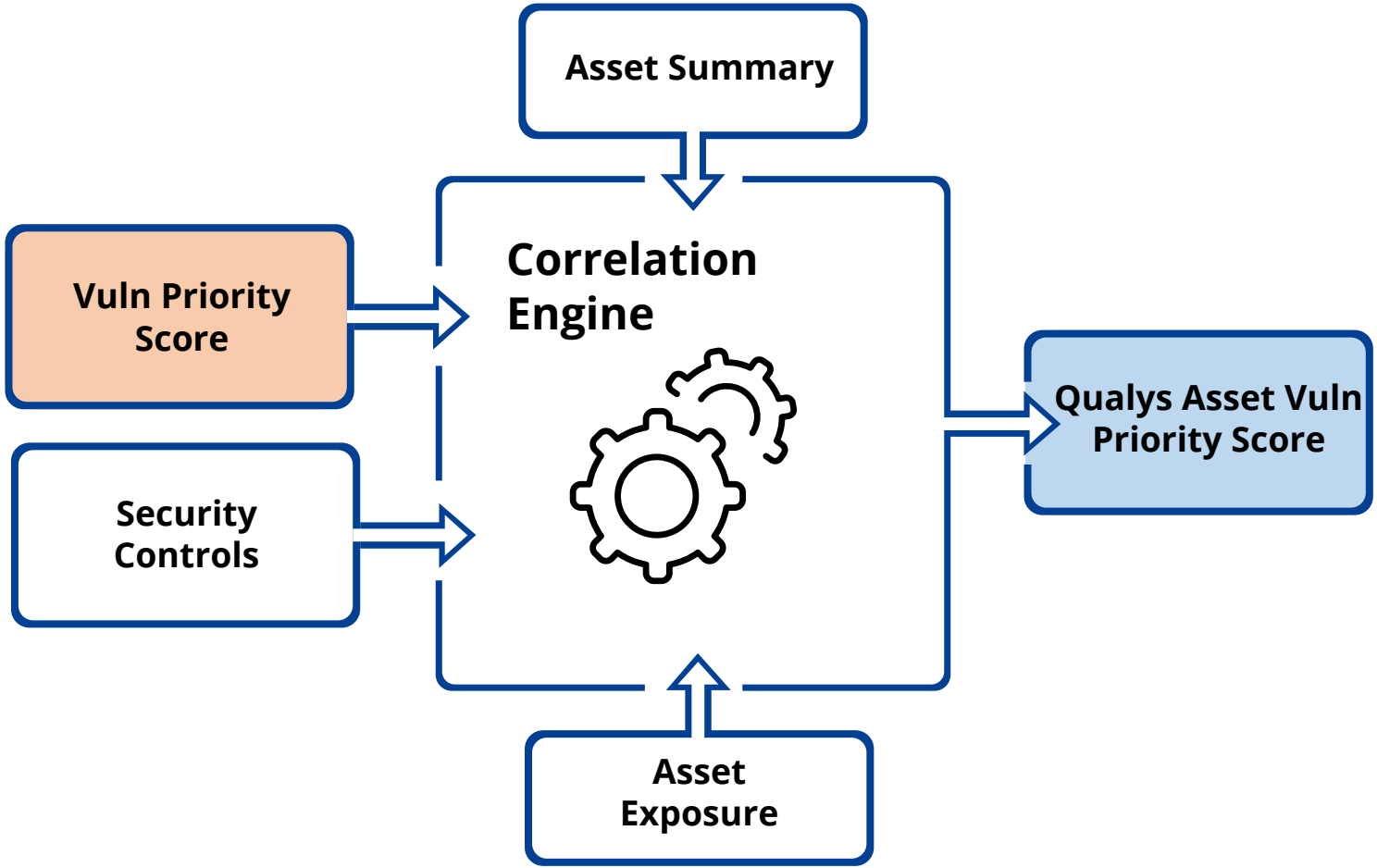

Qualys Insights
ML Model
120K +
Vulnerabilities
Exploits/Threat
Feeds
Vuln
Priority Score
Dark Web &
Social Media

Contextual Awareness

Your Network is Unique to You

External Facing Assets
Business / Customer Applications
Network Reachability / Cloud Security Groups
Zero-Trust Networking / Micro-Segmentation
Data Sensitivity and Data Access Governance
Asset System Configuration
Security Control Validation




Asset Summary
Vuln Priority Score
Correlation Engine
Security Controls
Qualys Asset Vuln Priority Score
Asset Exposure

VMDR
Concept Demo

VMDR comes with much more

Unlimited Cloud Agents
Unlimited Virtual Scanners
Unlimited Passive Sensors
Certificate Inventory
Cloud Inventory
Container Inventory
Mobile Device Inventory

Asset Categorization
Asset Normalization
Configuration Assessment
CIS Benchmarks
Continuous Monitoring
Vulnerability Management
Patch Detection and CVE Correlation

Available February 2020

Thank You

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